PMC-ND

1.08.09.13)

U.S. DEPARTMENT OF ENERGY OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY NEPA DETERMINATION



RECIPIENT: Viktor K. Prasanna/University of Southern California

STATE: CA

PROJECT TITLE:

Data Driven Modeling and Analytics for Enhanced Systems Layer Implementation

Funding Opportunity Announcement Number DE-FOA-0001495

Procurement Instrument Number NEPA Control Number CID Number DE-EE0008003

GFO-0008003-001

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A9 Information and dissemination

Information gathering (including, but not limited to, literature surveys, inventories, site visits, and gathering, analysis, audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

A11 Technical advice and assistance to organizations

Technical advice and planning assistance to international, national, state, and local organizations.

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to the University of Southern California (USC) to develop an Enhanced System Layer (ESL) open-source software toolkit for real-time load management, distributed and adaptive control of Distributed Energy Resources (DERs).

Activities associated with the proposed project would include data analysis, computer modeling, and software development for integrating renewable energy sources. Research and development activities would take place at USC in Los Angeles, CA. Datasets would be collected at the existing testbed of subcontractor Sacramento Municipal Utility District in Sacramento, CA. The proposed project would not involve any field-based activities or equipment testing. No physical materials beyond basic office supplies and software would be required for the proposed activities.

Based on the review of the proposal, DOE has determined that the proposal fits within the class of action(s) selected above. DOE has also determined that: (1) there are no extraordinary circumstances (as defined by 10 CFR 1021.410 (2)) related to the proposal that may affect the significance of the environmental effects of the proposal; (2) the proposal has not been segmented to meet the definition of a categorical exclusion; and (3) the proposal is not connected to other actions with potentially significant impacts, related to other proposals with cumulatively significant actions, or an improper interim action. This proposal is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If the Recipient intends to make changes to the scope or objective of this project, the Recipient is required to contact the Project Officer, identified in Block 15 of the Assistance Agreement before proceeding. The Recipient must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved. If the Recipient moves forward with activities that are not authorized for Federal funding by the DOE Contracting Officer in advance of a final NEPA decision, the Recipient is doing so at risk of not receiving Federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist:

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Solar Energy Technologies Office This NEPA determination does not req NEPA review completed by Whitney D	
SIGNATURE OF THIS MEMORANDUM O	CONSTITUTES A RECORD OF THIS DECISION.
NEPA Compliance Officer Signature:	Lori Gray Hou Hay Date: 5/31/2017
EIDLIN OFFICE MANAGED DETERMINA	NEPA Compliance Officer
FIELD OFFICE MANAGER DETERMINA	HON
☐ Field Office Manager review required	
NCO REQUESTS THE FIELD OFFICE MA	ANAGER REVIEW FOR THE FOLLOWING REASON:
	xclusion but involves a high profile or controversial issue that warrants Field Office
Manager's attention. ☐ Proposed action falls within an EA or EIS	category and therefore requires Field Office Manager's review and determination.
BASED ON MY REVIEW I CONCUR WIT	H THE DETERMINATION OF THE NCO:
Field Office Manager's Signature:	Date:
	Field Office Manager